

## AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listings of the claims in this application:

1. (Currently Amended) An electromechanical converter, in particular an electric variable transmission, provided with comprising:  
a primary shaft (5) having a rotor (8) mounted thereon;  
a secondary shaft (7) having an interrotor (15) mounted thereon; and  
a stator (10), fixedly mounted to the a housing (3) of the electromechanical converter, wherein, viewed from the primary shaft (5) in a radial direction, the rotor (8), the interrotor (15), and the stator (10) are arranged concentrically relative to each other, and wherein the rotor (8) and the stator (10) are designed with comprise one or more mono- or polyphase, electrically accessible windings, characterized in that and wherein the interrotor (15) forms comprises one whole both mechanically and electromagnetically, and is arranged as a conductor for the magnetic flux in an at least tangential direction.
  
2. (Currently Amended) An The electromechanical converter according to claim 1, characterized in that in the interrotor (15) comprising comprises an electric and a magnetic circuit, and the magnetic circuit is formed by comprises a cylinder having on two sides, with both sides defining longitudinally extending grooves in which the electric circuit-forming shortcircuit windings extend.

3. (Currently Amended) An The electromechanical converter according to claim 1, characterized in that ~~in~~ the interrotor (15) is formed by a magnetic flux conducting cylinder, ~~while and the electromagnetic converter further comprises~~ permanently magnetic material applied on opposite first and second sides thereof ~~permanently magnetic material is applied of the interrotor.~~

4. (Currently Amended) An The electromechanical converter according to claim 1, characterized ~~in that~~cy the interrotor (15) ~~is being~~ formed by a magnetic flux conducting cylinder, and the electromechanical converter further comprises:

~~while on one side~~ permanently magnetic material is applied on a first side of the interrotor; and

~~on the other side~~ longitudinally extending grooves ~~are~~ provided ~~associated with a second side of the interrotor~~ in which an electrically accessible winding is provided.

5. (Currently Amended) An The electromechanical converter according to ~~any one of claims 1-4~~claim 1, characterized ~~in that~~by the stator winding and rotor winding ~~are being~~ mutually connected with each other via one or more power electronic converters (12, 13).

6. (Currently Amended) An The electromechanical converter according to claim 5, characterized ~~in that~~by said one or more power electronic converters (12, 13) ~~are being~~ electrically accessible via ~~one single~~an electric gate.

7. (Currently Amended) An The electromechanical converter according to any one of claims 1-4claim 1, characterized in that the stator winding and rotor winding are each separately, via accessible through a power electronic converter, accessible via and an electric gate.

8. (Currently Amended) An apparatus provided with an electromechanical converter according to any one of claims 1-7claim 1, for starting a driving combustion engine.

9. (Currently Amended) An apparatus provided with an electromechanical converter according to any one of claims 1-7 for supplying electrical equipmentclaim 1, wherein the apparatus is selected from the group consisting of an apparatus for starting a driving combustion engine and an apparatus for supplying electrical equipment.

10. (Currently Amended) An The apparatus provided with an electromechanical converter according to any one of claims 1-7claim 8, characterized in that further comprising a system for the storage of energy is incorporated therein.